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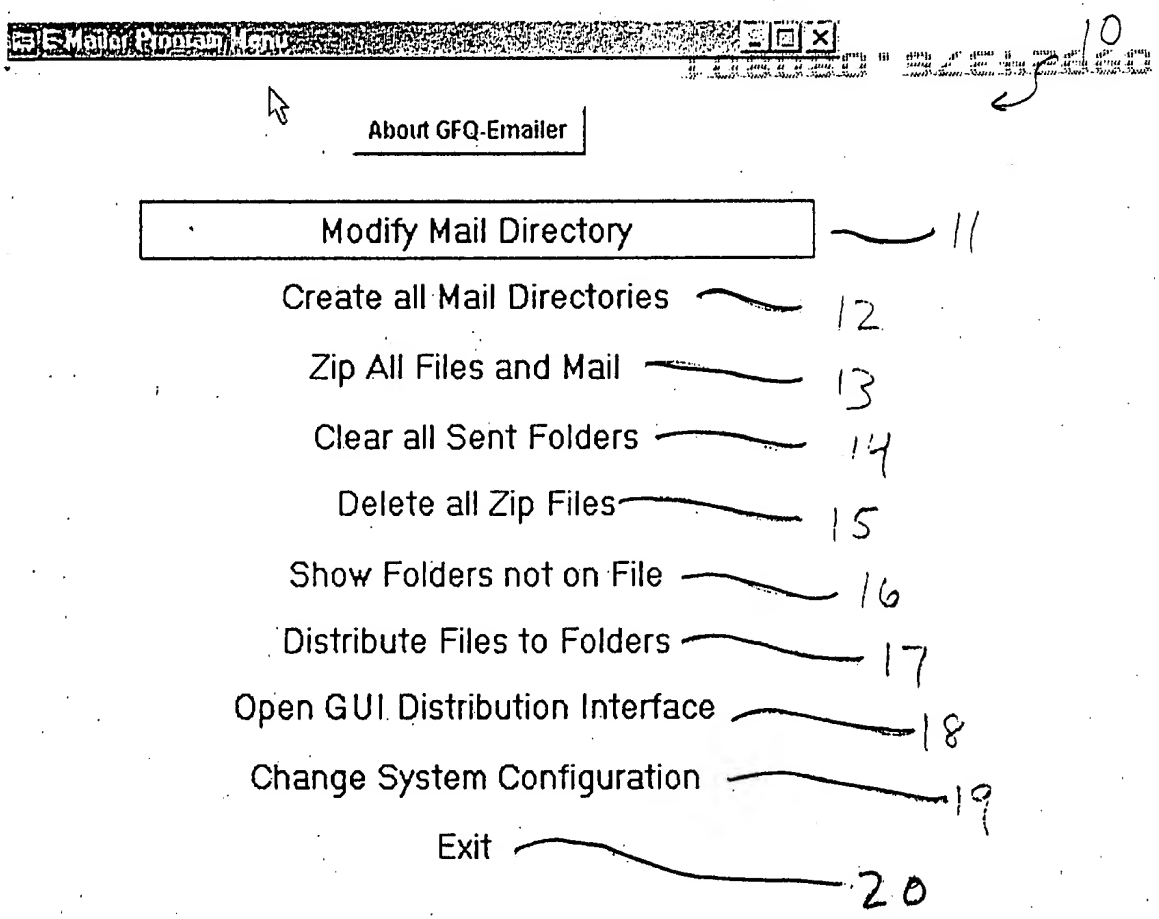

E-Mailer Program Menu
About GFQ-Emailer
Modify Mail Directory
Create all Mail Directories
Zip All Files and Mail
Clear all Sent Folders
Delete all Zip Files
Show Folders not on File
Distribute Files to Folders
Open GUI Distribution Interface
Change System Configuration
Exit
10
11
12
13
14
15
16
17
18
19
20

Fig. 1

31 32 33 34 35 36

REC	CLASS	IDNO	LASTNAME	FIRST NAME	EMAILADR
1	RETAIL	001	SMITH	JOHN	JSMITH@NOWHERE.COM
2	RETAIL	017	JONES	MARY	MJONES@NOWHERE.COM
3	RETAIL	234	MACK	JOE	JMACK@NOWHERE.COM
4	LEGAL	11	BAXENDALE	HADLEY	HBAXEN@NOWHERE.COM
5	LEGAL	137	NELSON	JAMES	JNELSON@NOWHERE.COM
6	LEGAL	138	DREW	AMY	ADREW@NOWHERE.COM
7	ADMIN	256	DOE	MARY	MDOW@NOWHERE.COM
8	ADMIN	311	WELLS	STEVE	SWELLS@NOWHERE.COM

30

Fig. 2A

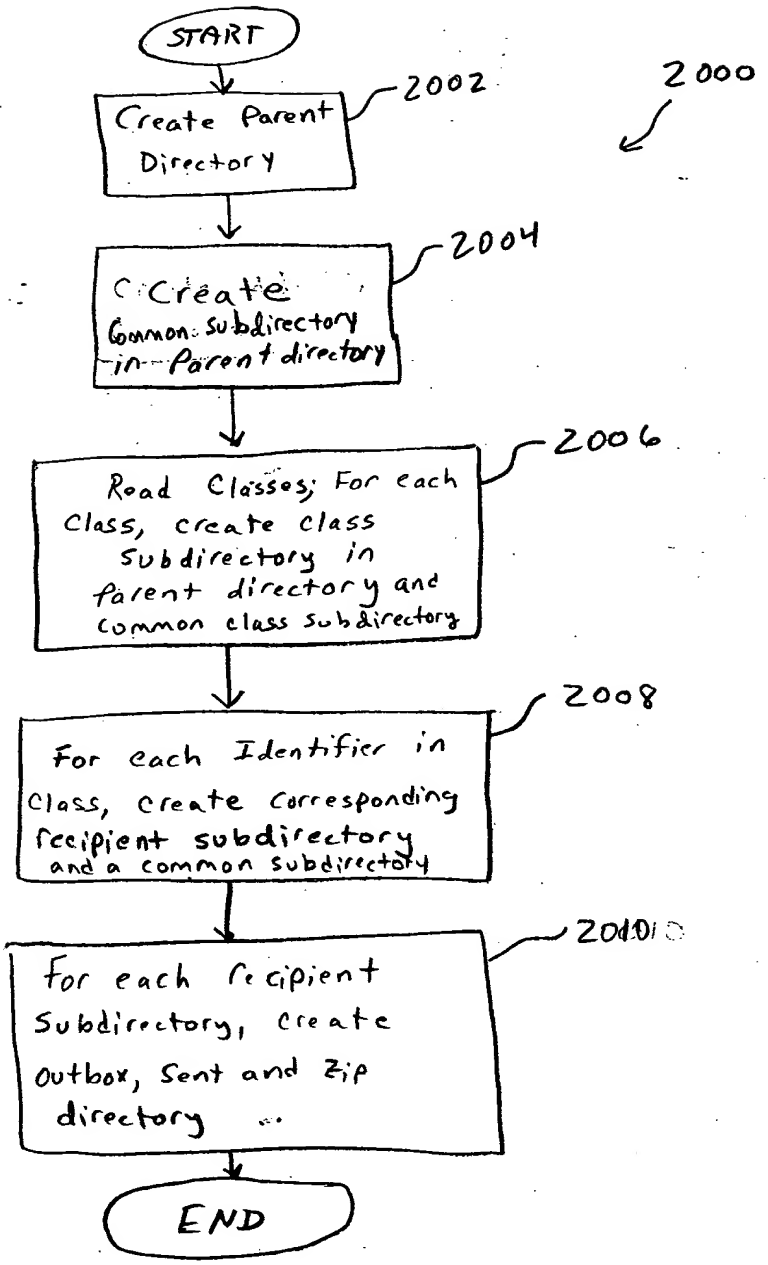

START
Create Parent Directory
2002
2000
Create Common subdirectory in Parent directory
2004
Read Classes; For each Class, create class subdirectory in parent directory and common class subdirectory
2006
For each Identifier in Class, create corresponding recipient subdirectory and a common subdirectory
2008
For each recipient Subdirectory, create Outbox, Sent and Zip directory
END

Fig. 2B

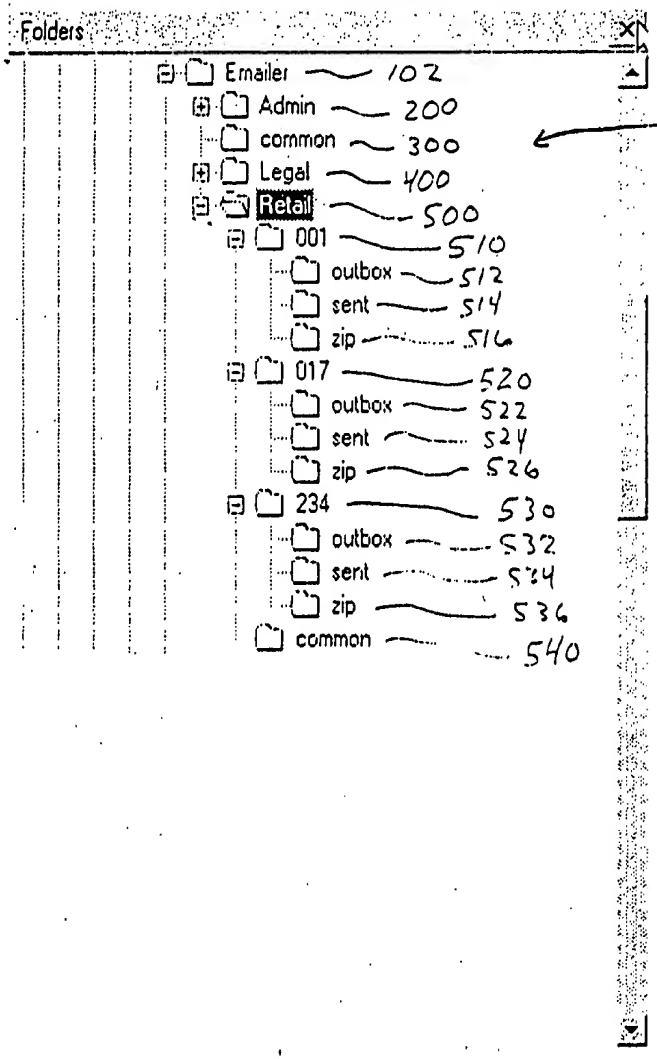

Folders
Emailer 102
Admin 200
common 300
Legal 400
Retail 500
001 510
outbox 512
sent 514
zip 516
017 520
outbox 522
sent 524
zip 526
234 530
outbox 532
sent 534
zip 536
common 540

Fig. 3

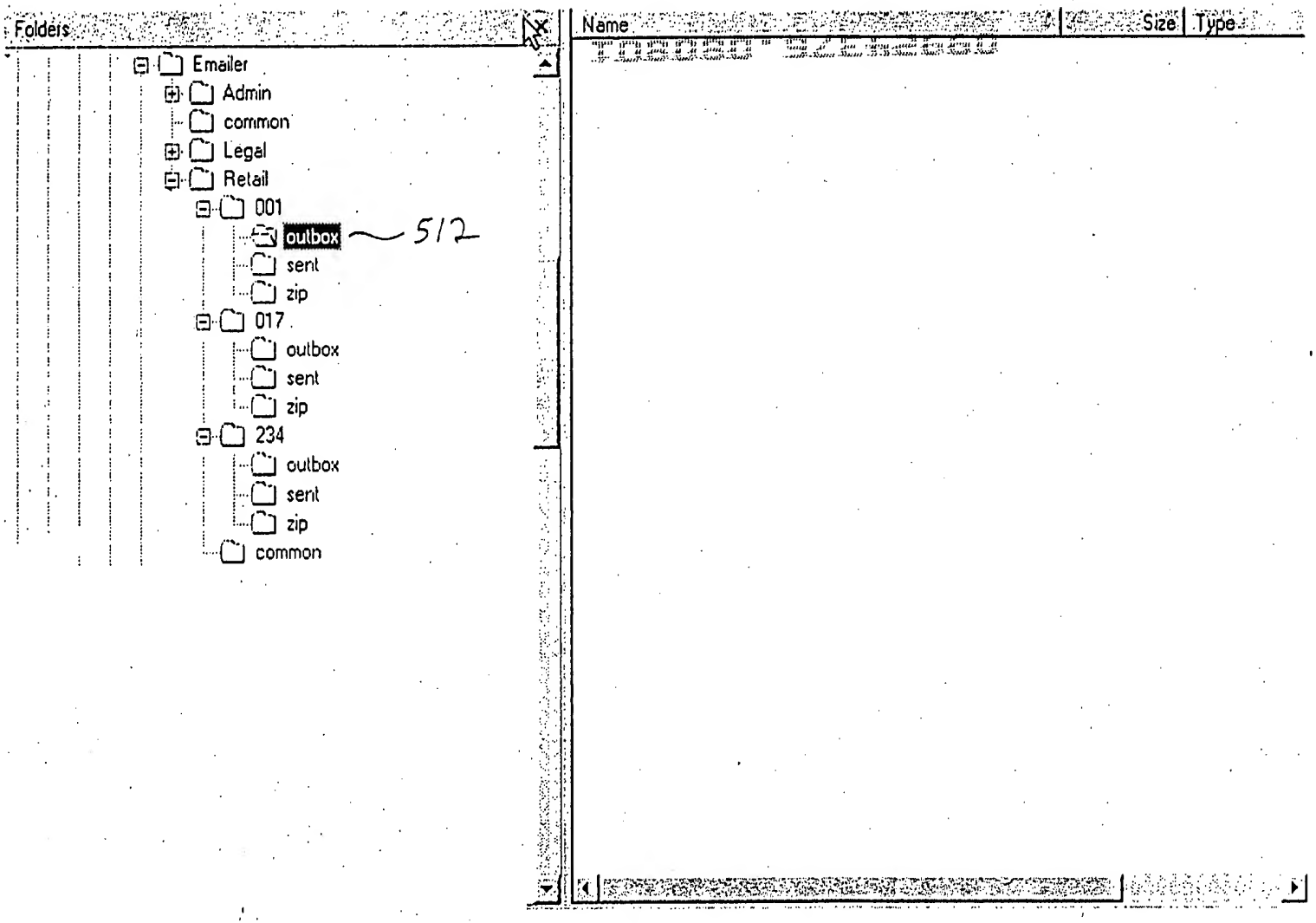

Folders
Name
Size
Type
Emailer
Admin
common
Legal
Retail
001
outbox
sent
zip
017
outbox
sent
zip
234
outbox
sent
zip
common
512

Fig. 4

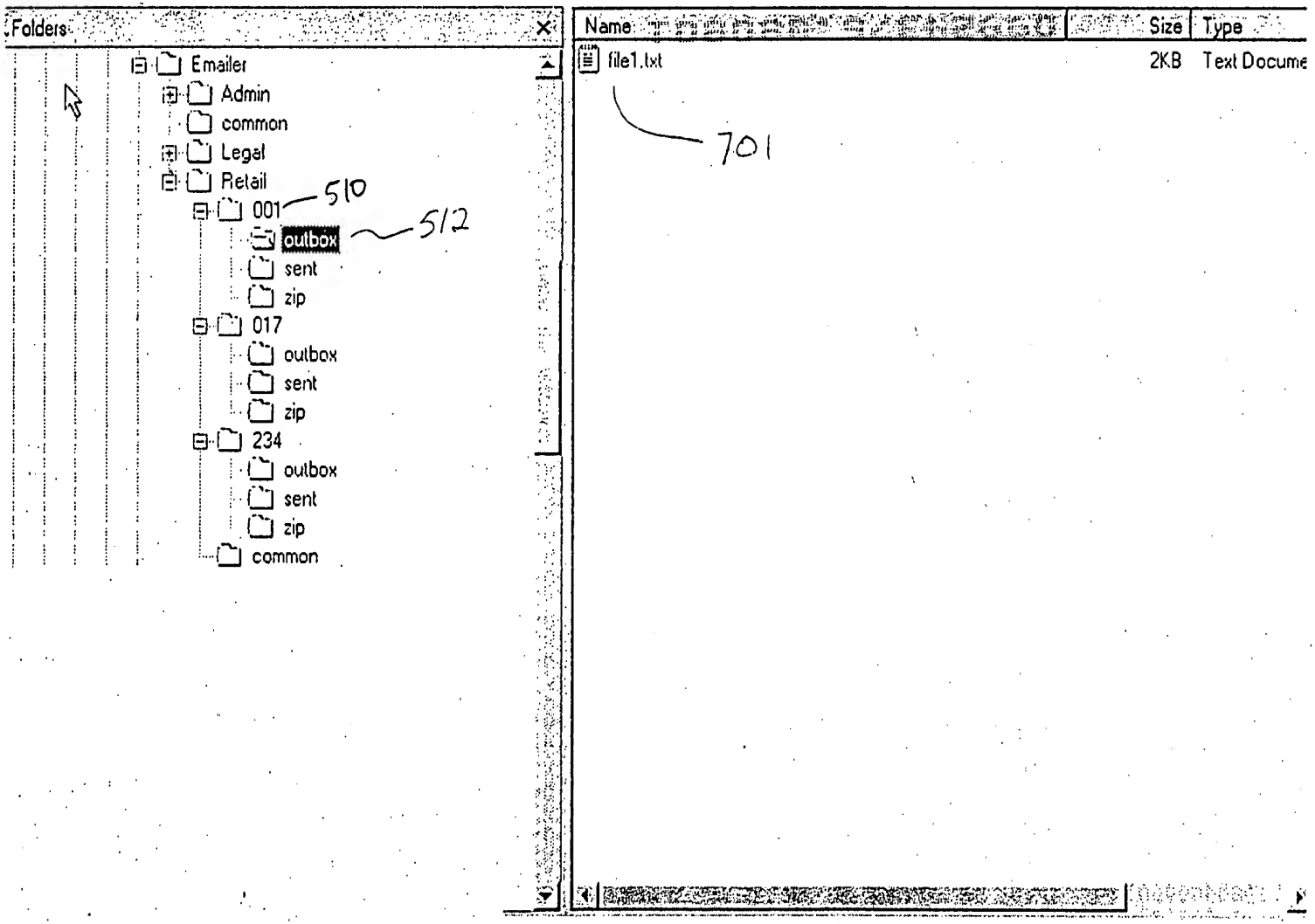

Folders
Emailer
Admin
common
Legal
Retail
001
outbox
sent
zip
017
outbox
sent
zip
234
outbox
sent
zip
common
510
512
Name
Size
Type
file1.txt
2KB
Text Docume
701

Fig. 5

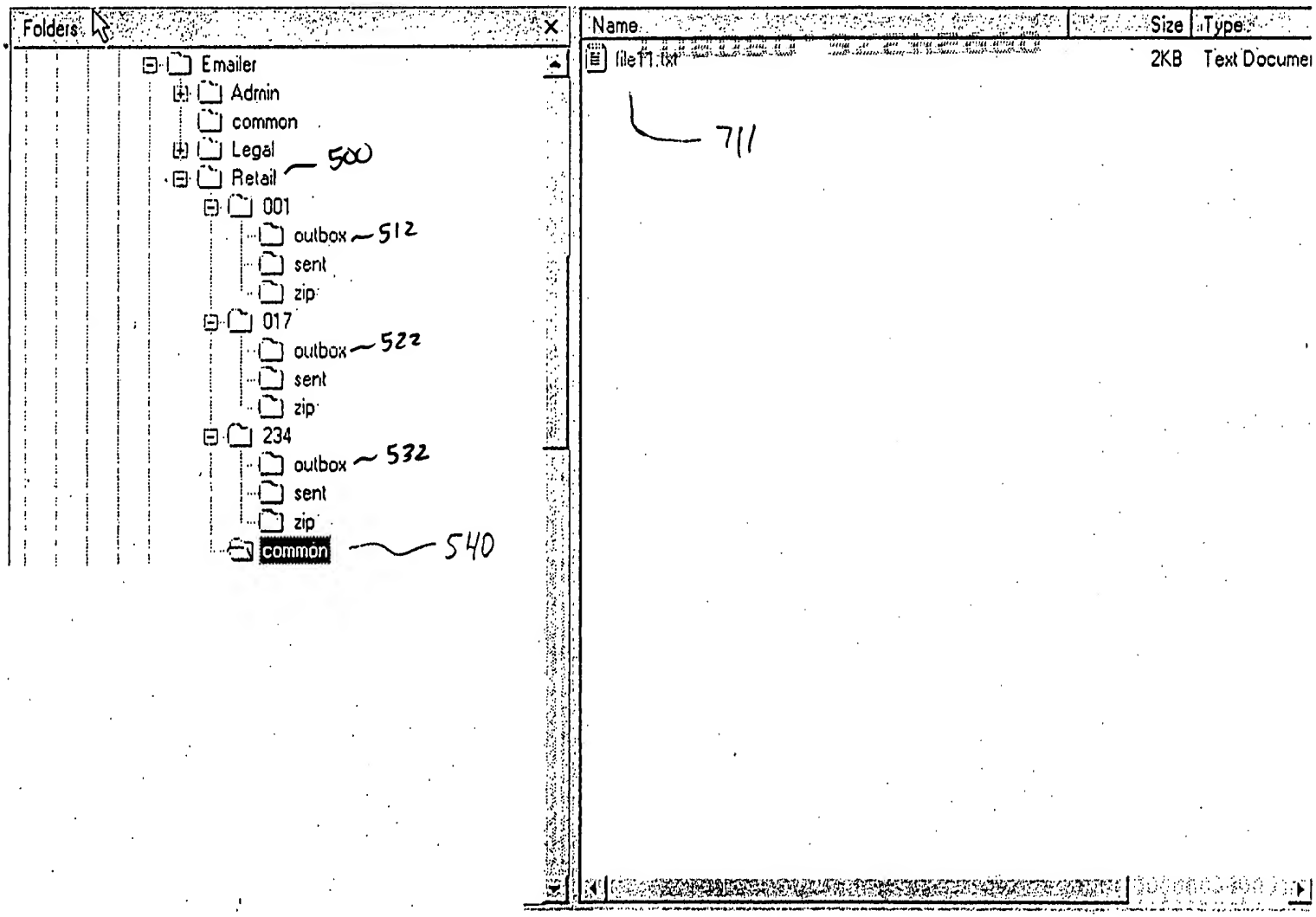

Folders
Emailer
Admin
common
Legal
Retail
500
001
outbox
512
sent
zip
017
outbox
522
sent
zip
234
outbox
532
sent
zip
common
540
Name
Size
Type
file11.txt
2KB
Text Documer
711

Fig. 6

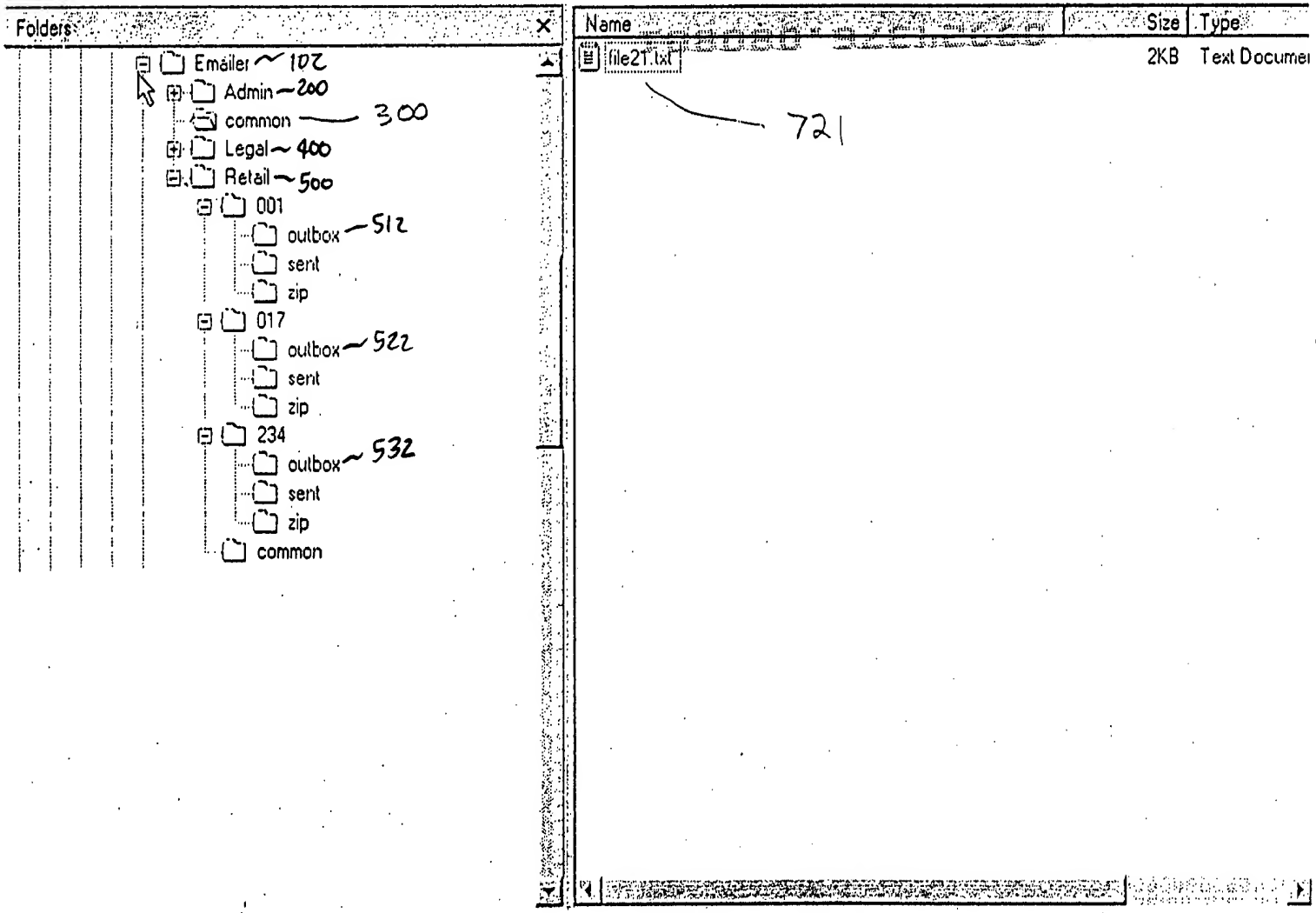

Folders
Emailer ~ 102
Admin ~ 200
common ~ 300
Legal ~ 400
Retail ~ 500
001
outbox ~ 512
sent
zip
017
outbox ~ 522
sent
zip
234
outbox ~ 532
sent
zip
common
Name
Size
Type
file21.txt
2KB
Text Documer
721

Fig. 7

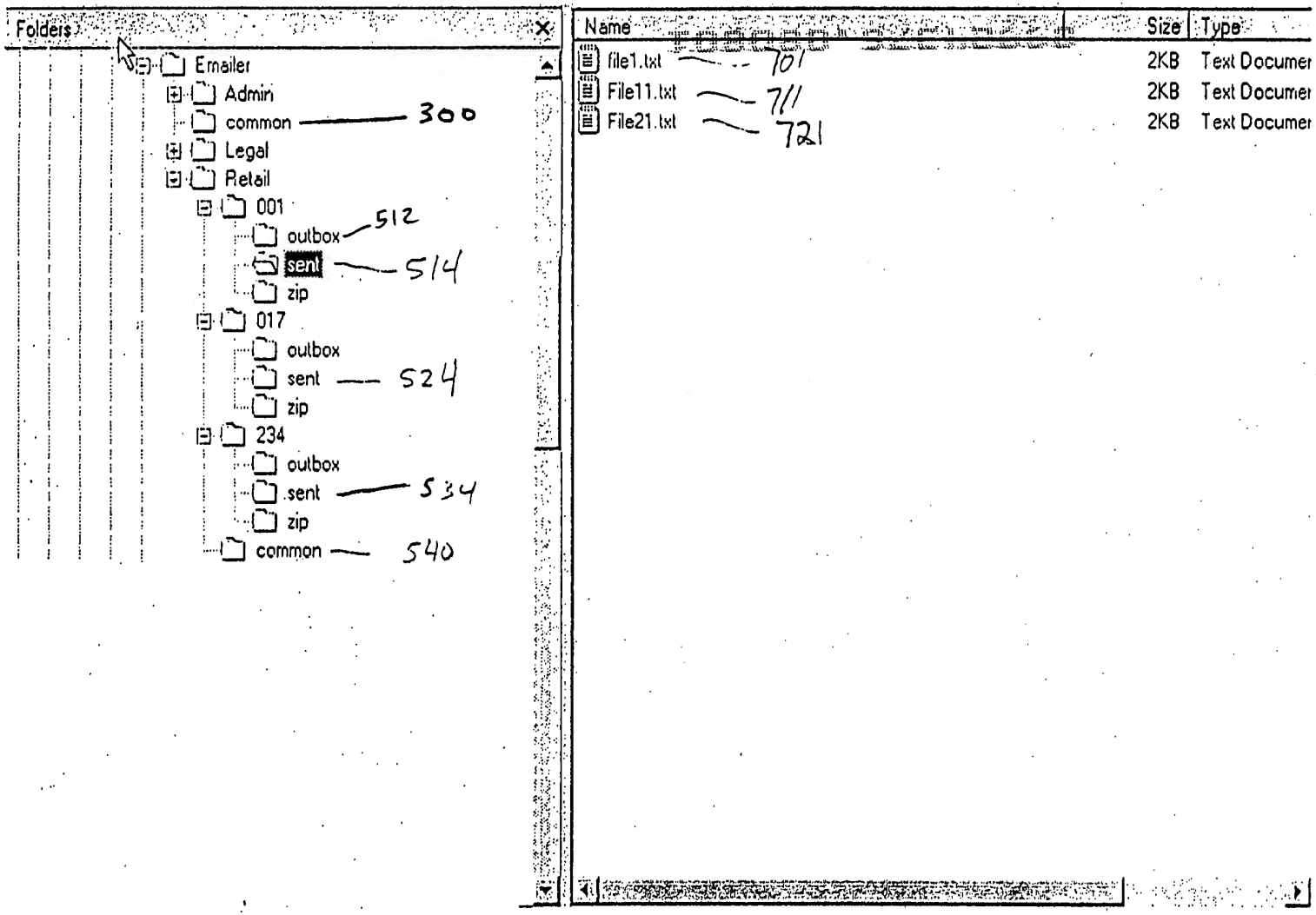

Folders
Emailer
Admin
common
300
Legal
Retail
001
outbox
512
sent
514
zip
017
outbox
sent
524
zip
234
outbox
sent
534
zip
common
540
Name
Size
Type
file1.txt
701
2KB
Text Documer
File11.txt
711
2KB
Text Documer
File21.txt
721
2KB
Text Documer

Fig. 8

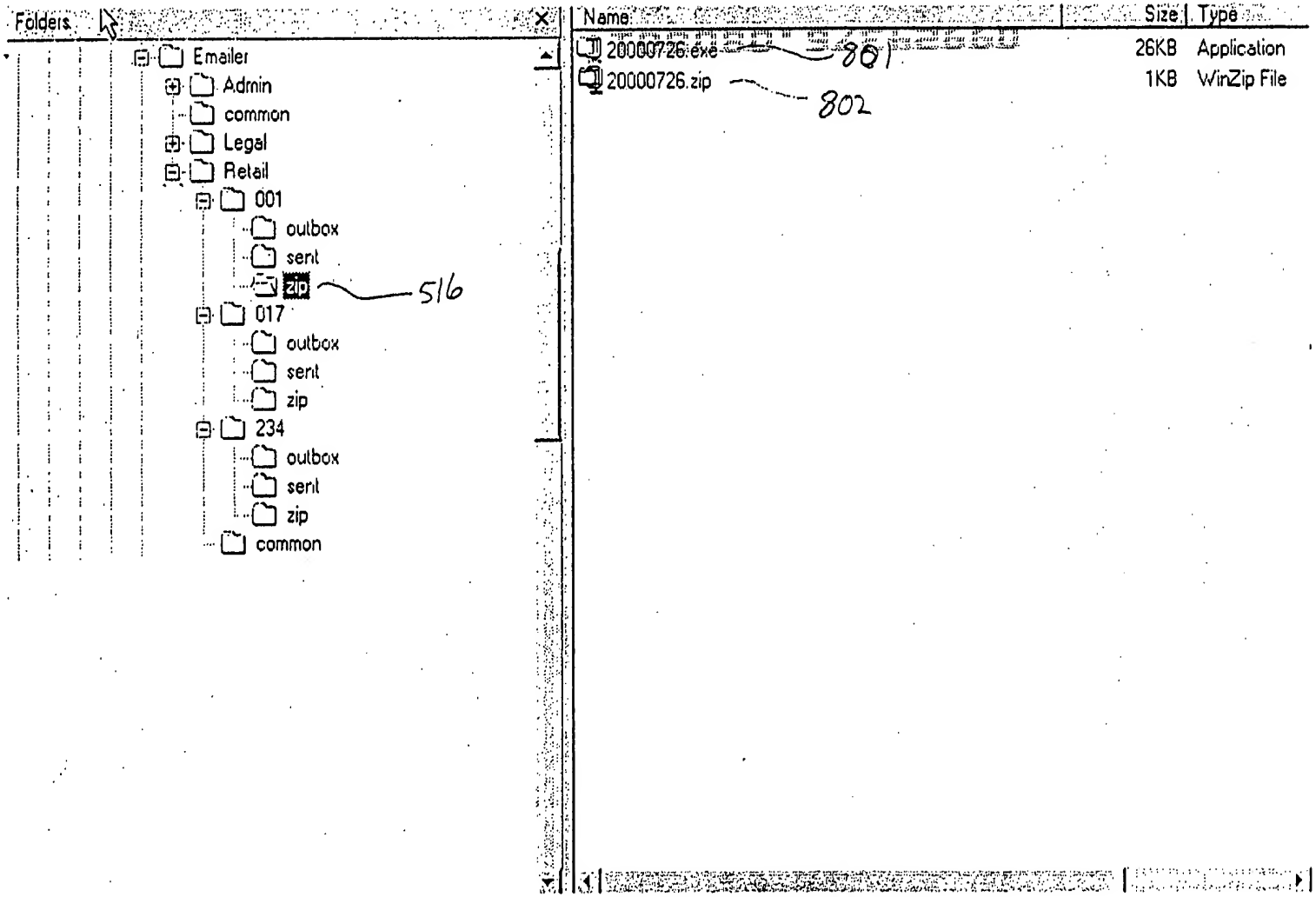

Folders
Emailer
Admin
common
Legal
Retail
001
outbox
sent
zip
516
017
outbox
sent
zip
234
outbox
sent
zip
common
Name
Size
Type
20000726.exe
801
26KB
Application
20000726.zip
802
1KB
WinZip File

Fig. 9

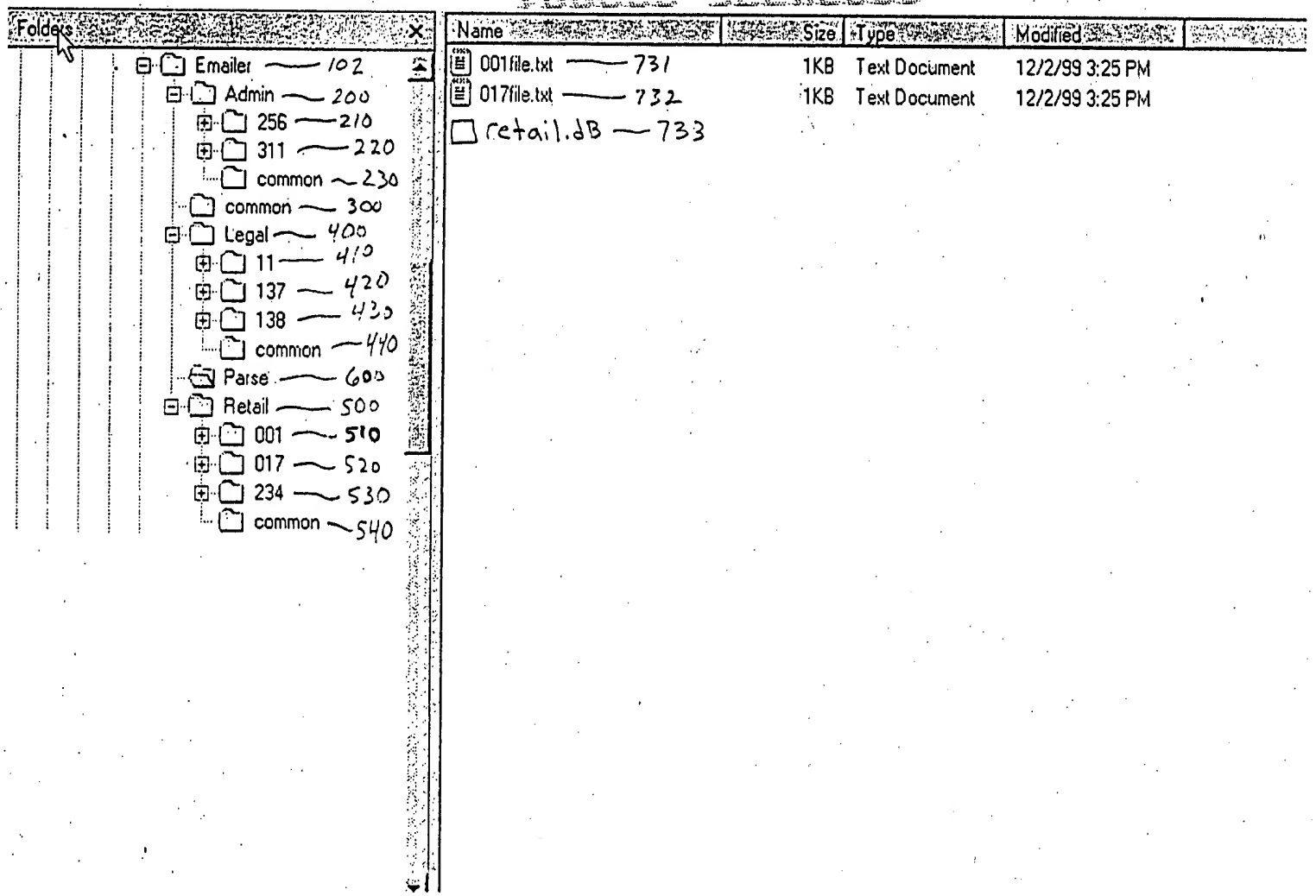

Folders
Emailer — 102
Admin — 200
256 — 210
311 — 220
common — 230
common — 300
Legal — 400
11 — 410
137 — 420
138 — 430
common — 440
Parse — 600
Retail — 500
001 — 510
017 — 520
234 — 530
common — 540
Name
Size
Type
Modified
001file.txt — 731
1KB
Text Document
12/2/99 3:25 PM
017file.txt — 732
1KB
Text Document
12/2/99 3:25 PM
retail.dB — 733

Fig. 10

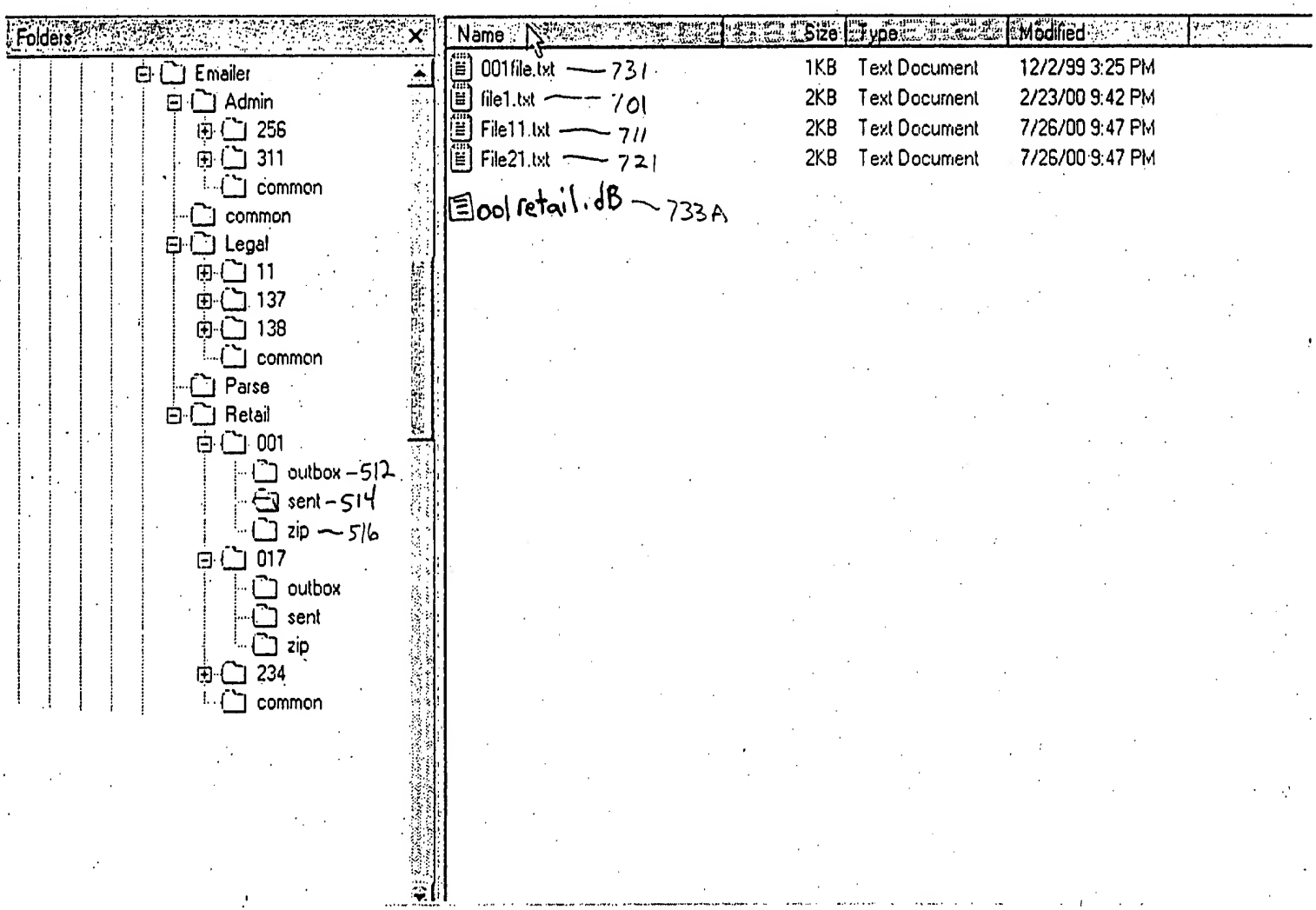

Folders
Emailer
Admin
256
311
common
common
Legal
11
137
138
common
Parse
Retail
001
outbox – 512
sent – 514
zip – 516
017
outbox
sent
zip
234
common
Name
Size
Type
Modified
001file.txt – 731
1KB
Text Document
12/2/99 3:25 PM
file1.txt – 701
2KB
Text Document
2/23/00 9:42 PM
File11.txt – 711
2KB
Text Document
7/26/00 9:47 PM
File21.txt – 721
2KB
Text Document
7/26/00 9:47 PM
001retail.dB – 733A

Fig. 11

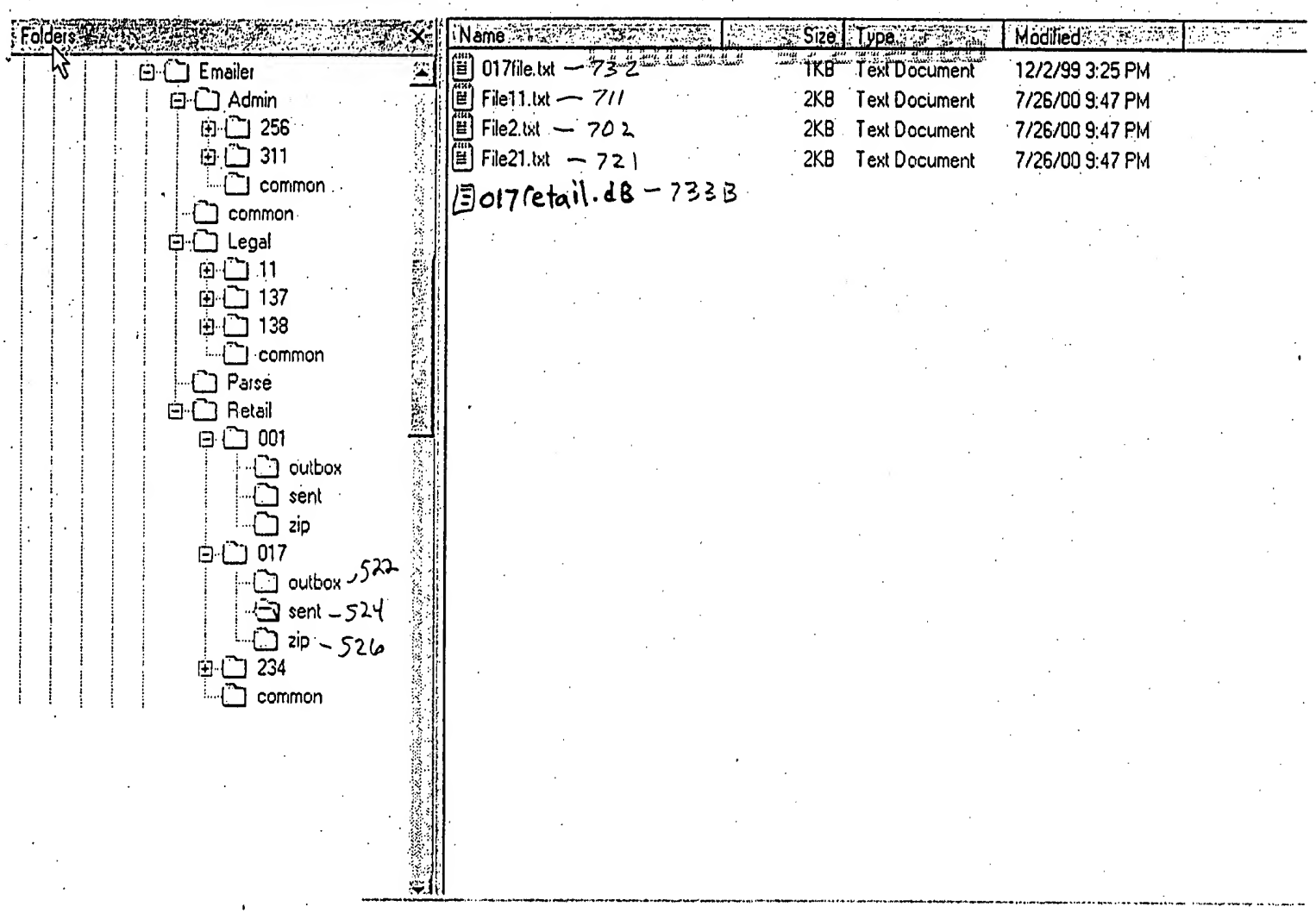

Folders
Emailer
Admin
256
311
common
common
Legal
11
137
138
common
Parse
Retail
001
outbox
sent
zip
017
outbox - 522
sent - 524
zip - 526
234
common
Name
Size
Type
Modified
017file.txt - 732
1KB
Text Document
12/2/99 3:25 PM
File11.txt - 711
2KB
Text Document
7/26/00 9:47 PM
File2.txt - 702
2KB
Text Document
7/26/00 9:47 PM
File21.txt - 721
2KB
Text Document
7/26/00 9:47 PM
017retail.dB - 733B

Fig. 12

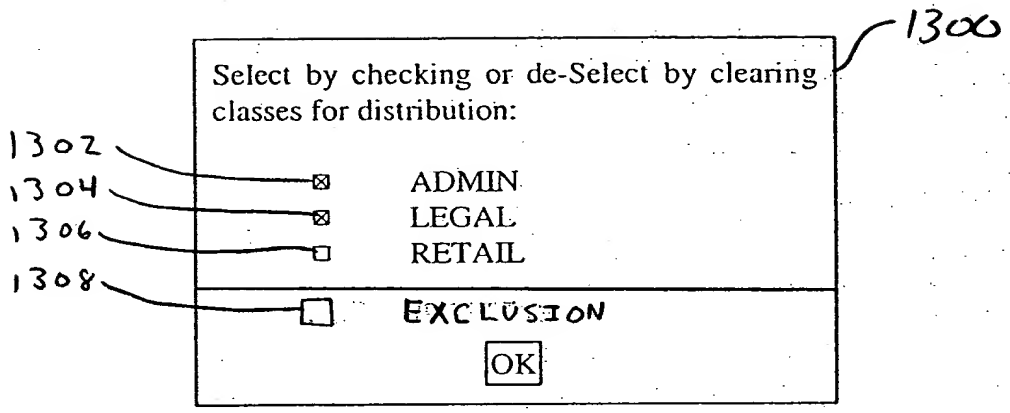
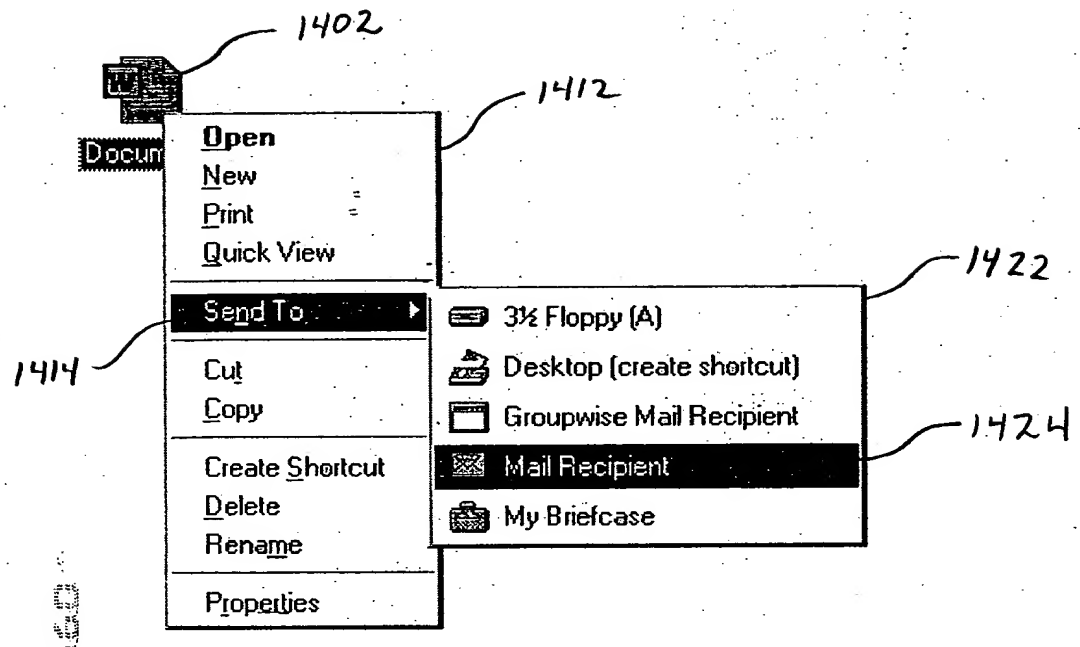
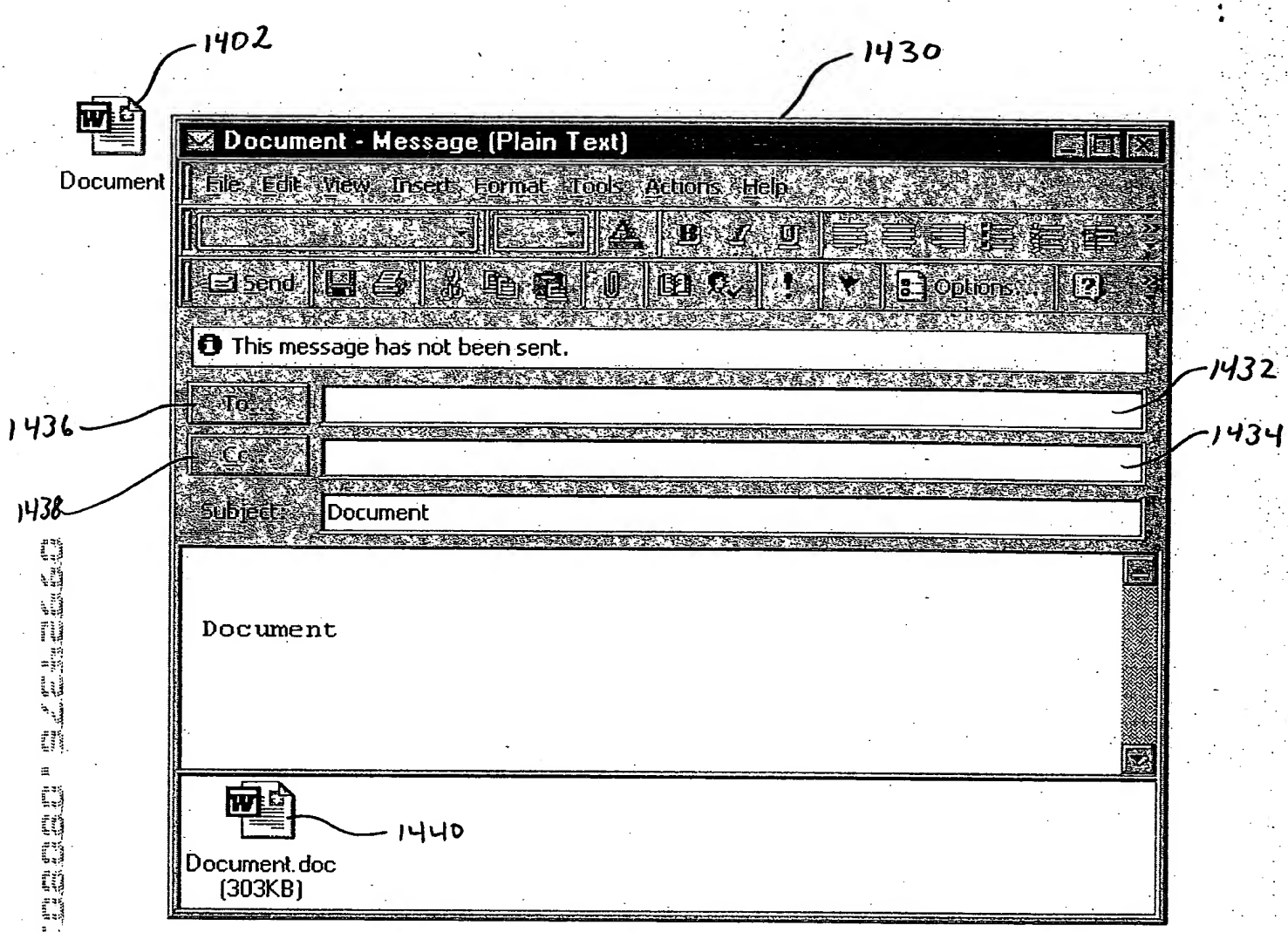

1300
Select by checking or de-Select by clearing classes for distribution:
1302
1304
1306
1308
ADMIN
LEGAL
RETAIL
EXCLUSION
OK

Fig. 13



Prior Art

Fig. 14A



Prior Art

Fig. 14B

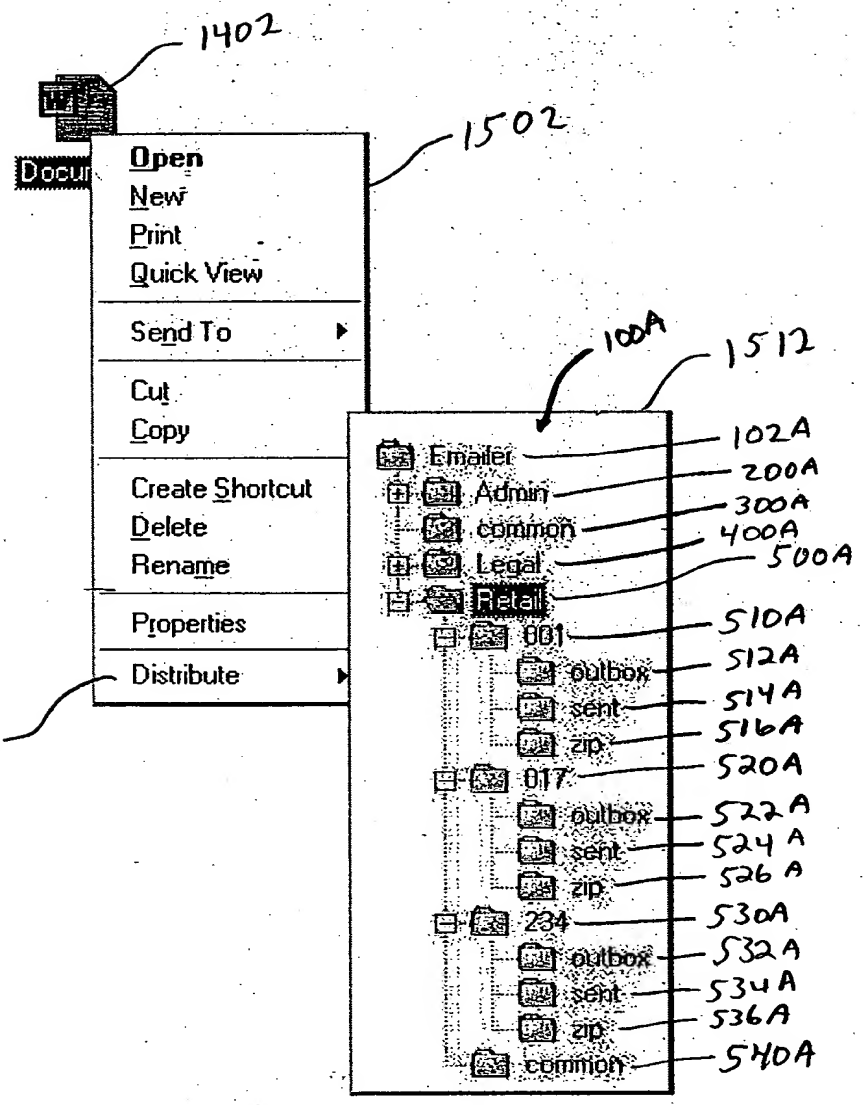

1402
1502
Open
New
Print
Quick View
Send To
Cut
Copy
Create Shortcut
Delete
Rename
Properties
Distribute
1504
100A
1512
Emailer
Admin
common
Legal
Retail
001
outbox
sent
zip
017
outbox
sent
zip
234
outbox
sent
zip
common
102A
200A
300A
400A
500A
510A
512A
514A
516A
520A
522A
524A
526A
530A
532A
534A
536A
540A

Fig. 15A

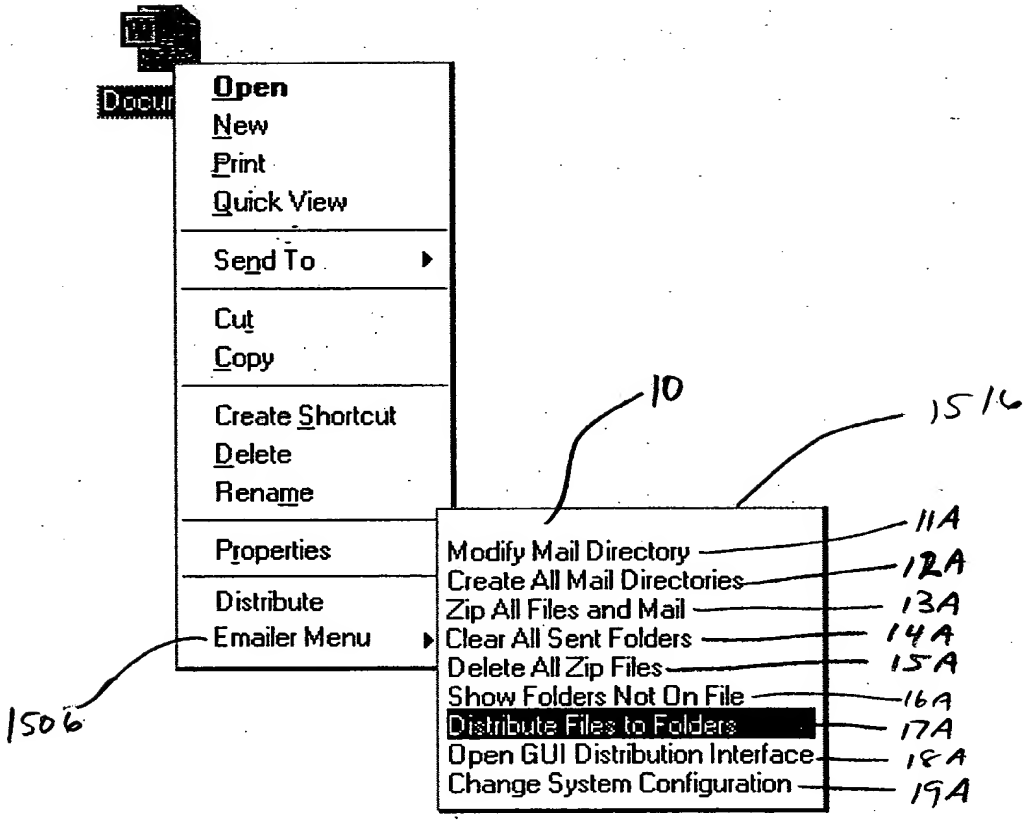

Open
New
Print
Quick View
Send To
Cut
Copy
Create Shortcut
Delete
Rename
Properties
Distribute
Emailer Menu
Modify Mail Directory
Create All Mail Directories
Zip All Files and Mail
Clear All Sent Folders
Delete All Zip Files
Show Folders Not On File
Distribute Files to Folders
Open GUI Distribution Interface
Change System Configuration
10
1516
11A
12A
13A
14A
15A
16A
17A
18A
19A
1506

Fig. 15B

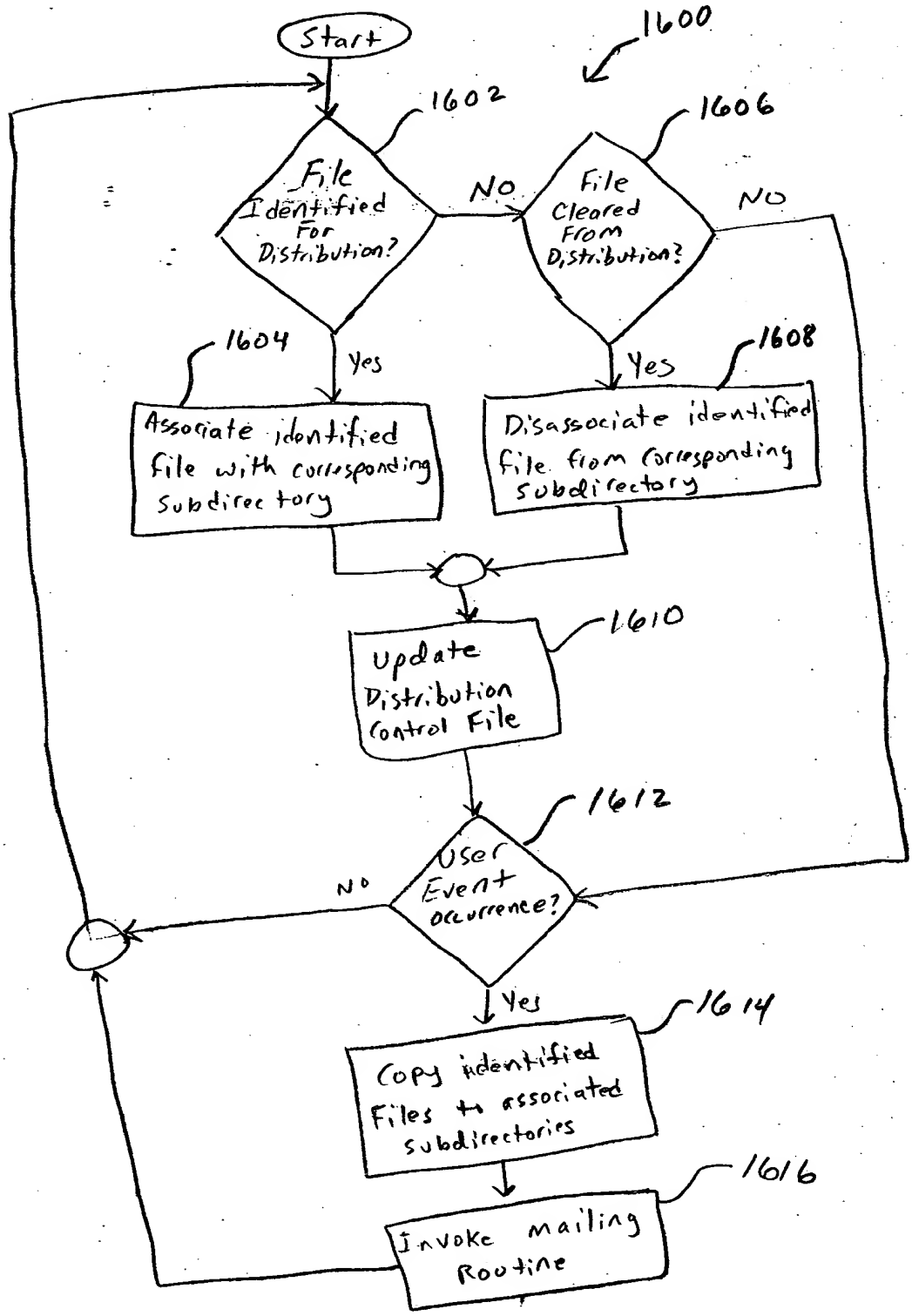

Start
1600
1602
File Identified For Distribution?
NO
1606
File Cleared From Distribution?
NO
1604
Yes
Associate identified file with corresponding subdirectory
Yes
1608
Disassociate identified file from corresponding subdirectory
1610
Update Distribution Control File
1612
User Event occurrence?
NO
Yes
1614
Copy identified Files to associated subdirectories
1616
Invoke mailing Routine

Fig. 16

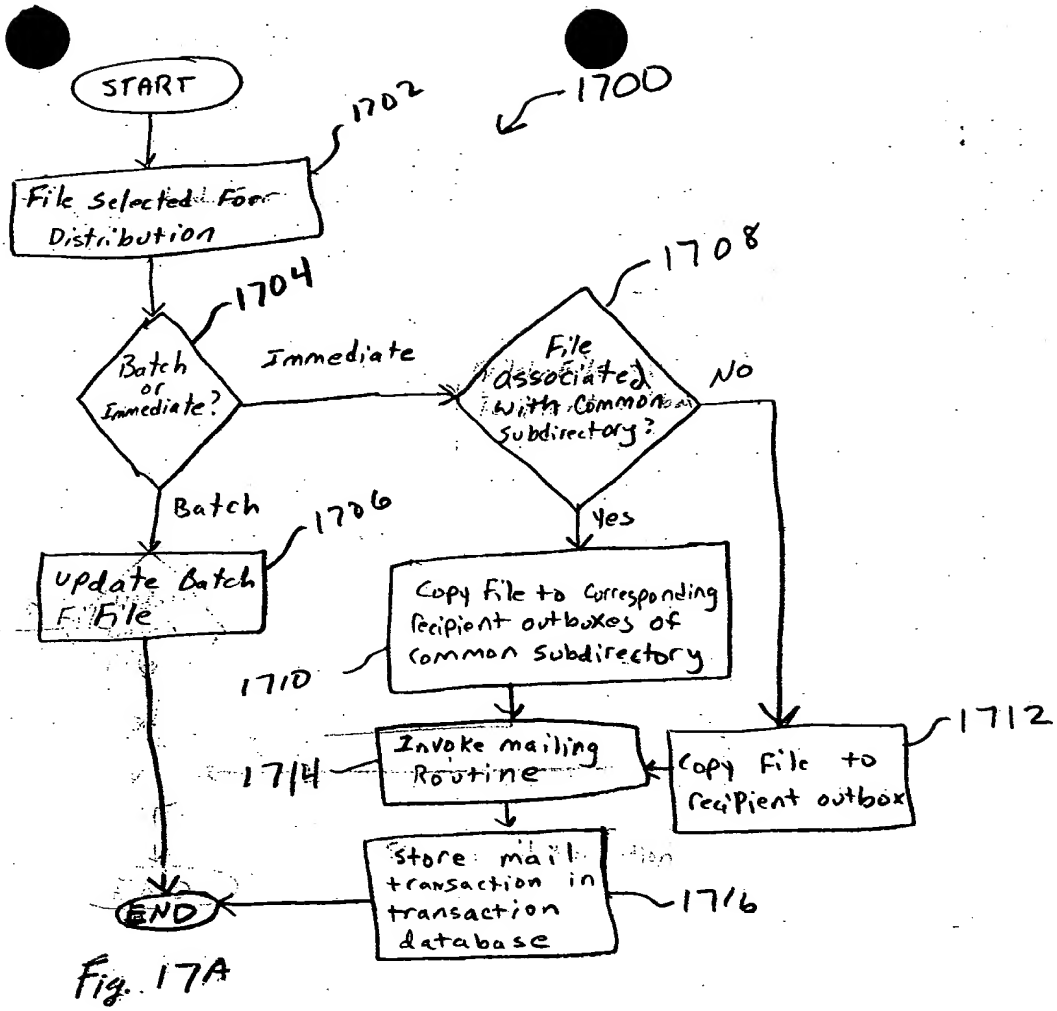


Fig. 17A

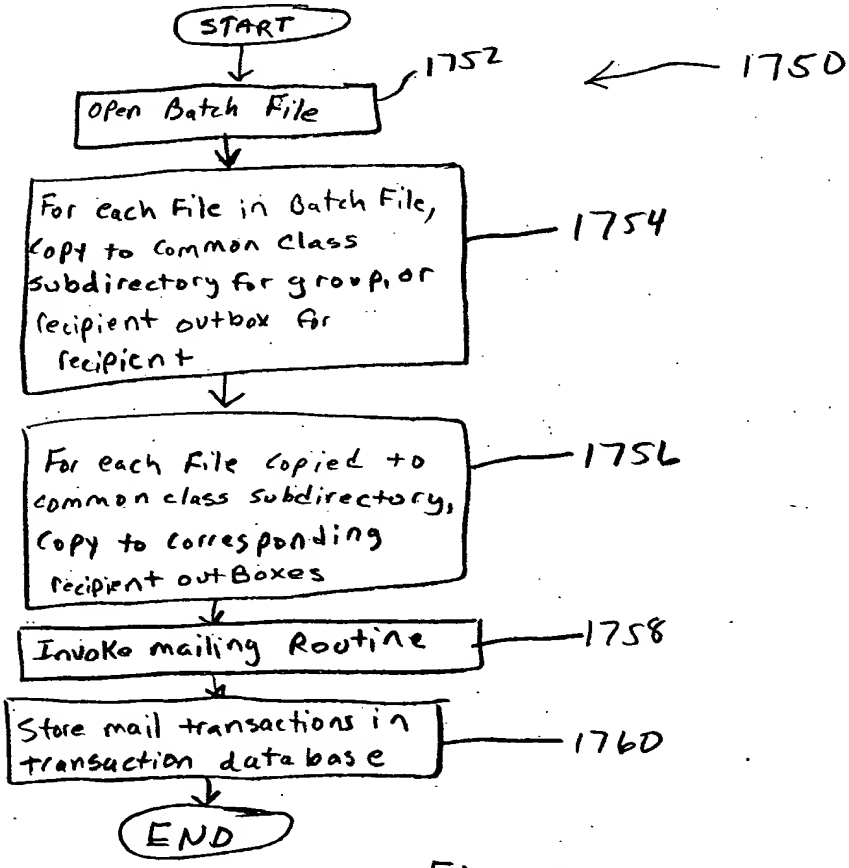


Fig. 17B

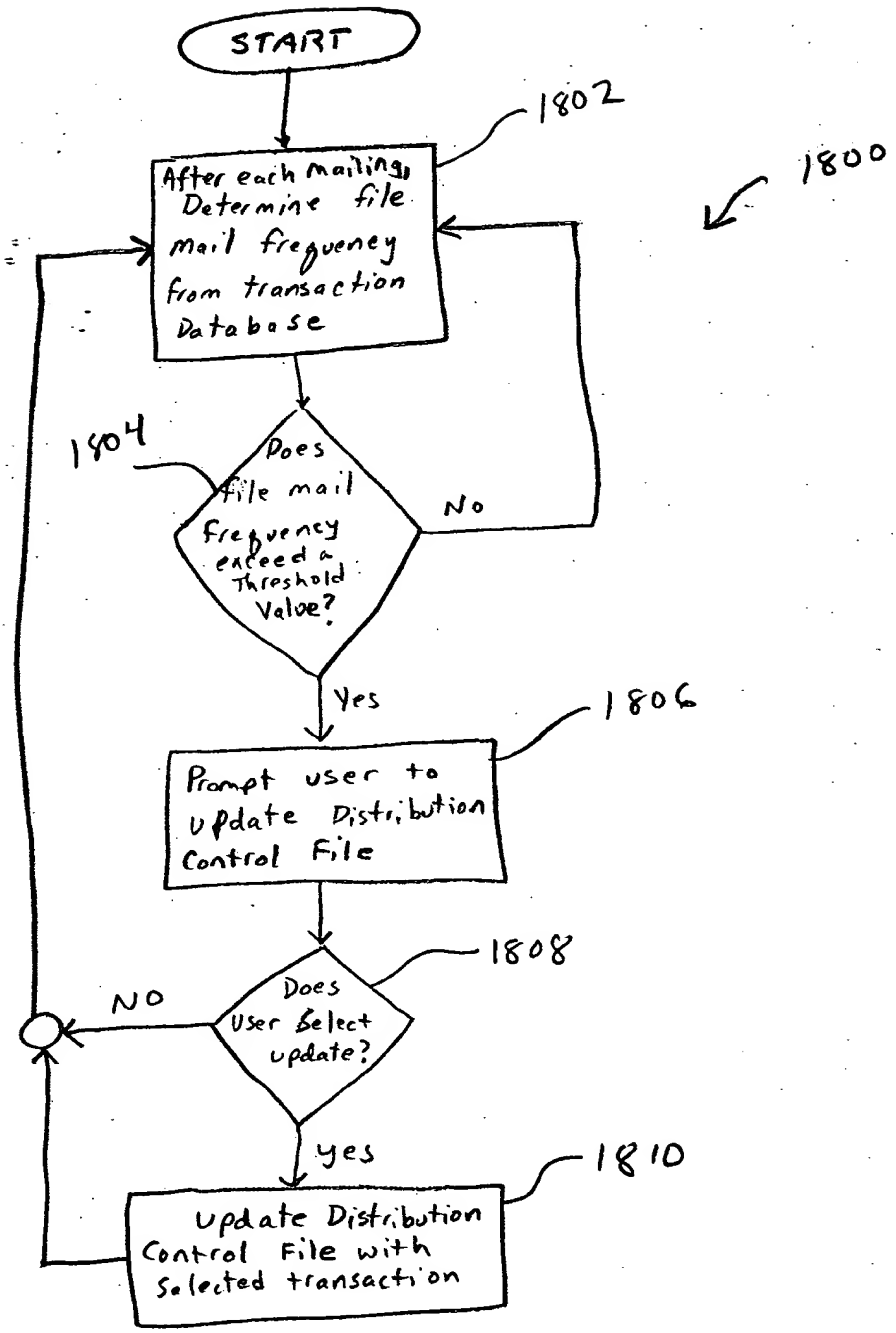

START
1802
1800
After each mailing, Determine file mail frequency from transaction Database
1804
Does file mail frequency exceed a Threshold Value?
No
Yes
1806
Prompt user to update Distribution Control File
1808
Does User Select update?
NO
yes
1810
Update Distribution Control File with Selected transaction

Fig. 18

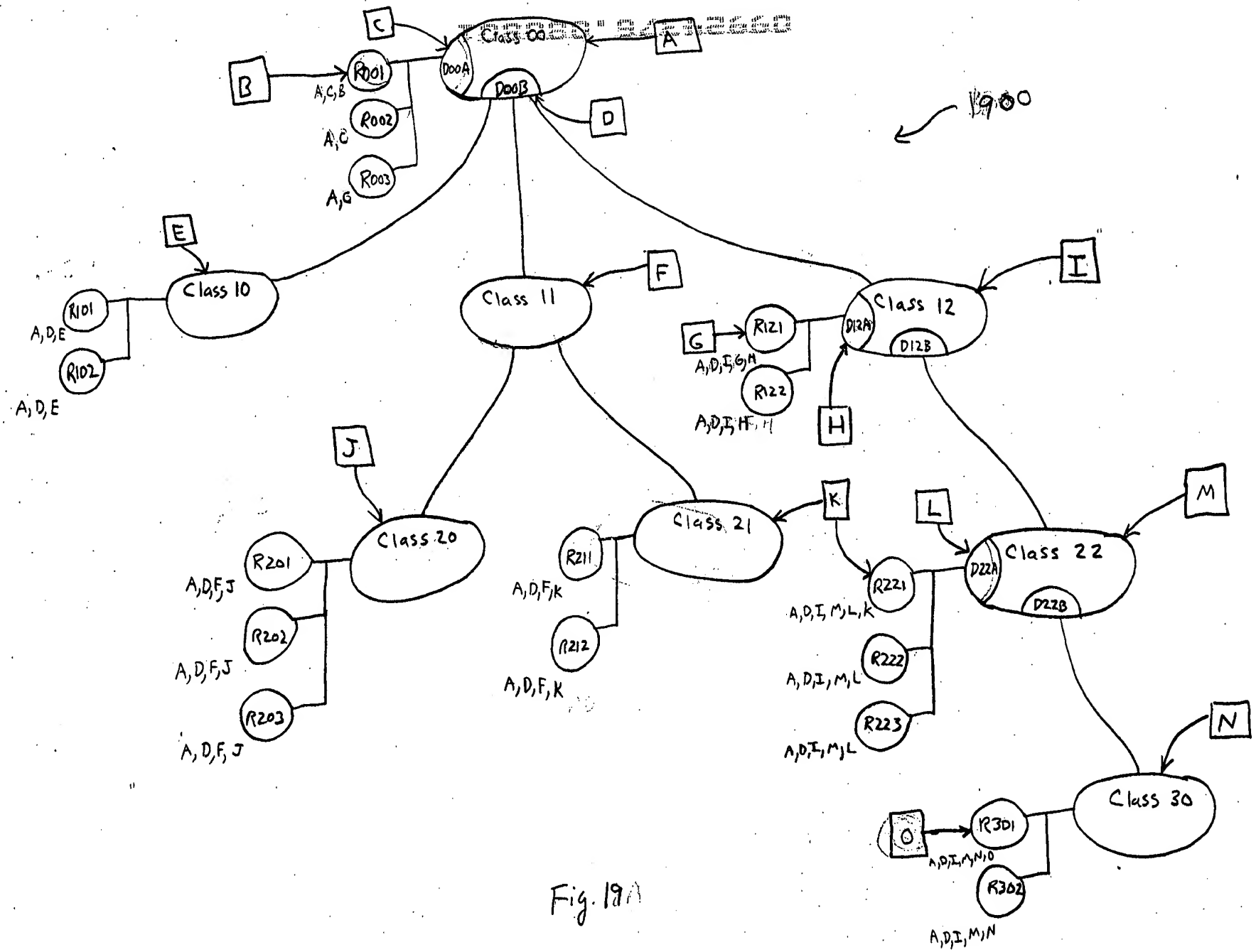

Class 00
A
B
C
D
D00A
D00B
R001
R002
R003
A,C,B
A,C
A,G
900
E
Class 10
R101
R102
A,D,E
A,D,E
Class 11
F
Class 12
I
G
H
R121
R122
D12A
D12B
A,D,F,G,H
A,D,F,H
J
Class 20
R201
R202
R203
A,D,F,J
A,D,F,J
A,D,F,J
Class 21
K
L
R211
R212
A,D,F,K
A,D,F,K
Class 22
M
R221
R222
R223
D22A
D22B
A,D,I,M,L,K
A,D,I,M,L
A,D,I,M,L
N
Class 30
O
R301
R302
A,D,I,M,N,O
A,D,I,M,N

Fig. 19A

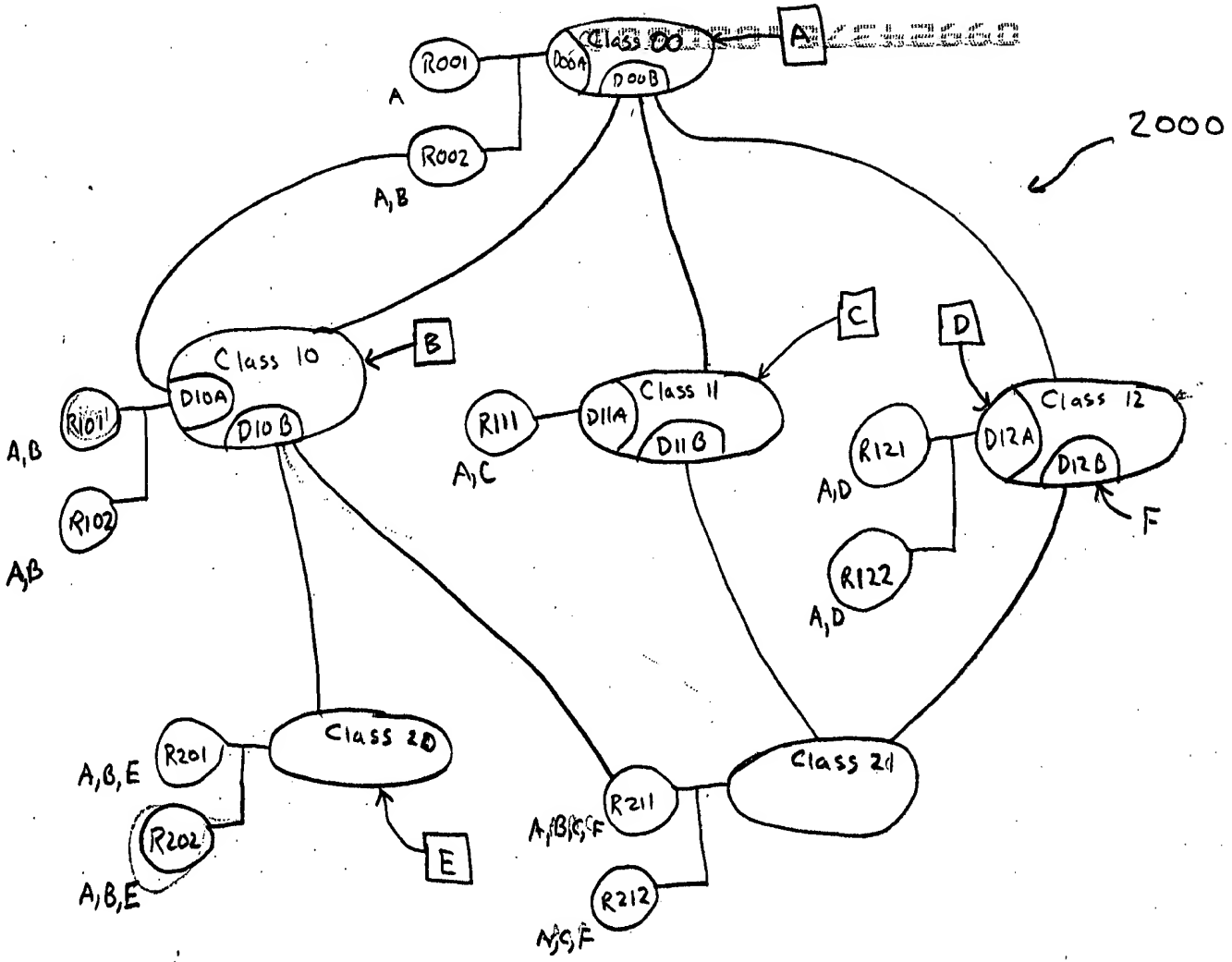

Class 00
D00A
D00B
A
R001
A
R002
A,B
2000
Class 10
D10A
D10B
B
R101
A,B
R102
A,B
Class 11
D11A
D11B
C
R111
A,C
Class 12
D12A
D12B
D
F
R121
A,D
R122
A,D
Class 20
R201
A,B,E
R202
A,B,E
E
Class 21
R211
A,B,C,F
R212
A,C,F

Fig. 20